

Sub C1
[Claim 2 has been amended as follows:]

2. (Amended) A nuclear magnetic resonance antenna as claimed in claim 1, wherein the respective element beginnings and the respective element ends are connected to ground.

[Claim 3 has been amended as follows:]

3. (Amended) A nuclear magnetic resonance antenna as claimed in claim 1 wherein said antenna elements are electrically coupled to each other.

OK [Claim 4 has been amended as follows:]

4. (Amended) A nuclear magnetic resonance antenna as claimed in claim 3 wherein the respective element beginnings are electrically connected to each other via a ring-shaped connecting element.

[Claim 5 has been amended as follows:]

5. (Amended) A nuclear magnetic resonance antenna as claimed in claim 3 wherein the respective element ends are electrically connected to each other via a ring-shaped connecting element.

[Claim 6 has been amended as follows:]

6. (Amended) A nuclear magnetic resonance antenna as claimed in claim 3 wherein the respective element beginnings are electrically connected to each other via a first ring-shaped connecting element and wherein the respective element ends are electrically connected to each other via a second ring-shaped connecting element.

Sub
C1
Amend

[Claim 7 has been amended as follows:]

7. (Amended) A nuclear magnetic resonance antenna as claimed in claim 1, wherein each of said antenna elements has two branching element ends.

Def

[Claim 8 has been amended as follows:]

8. (Amended) A nuclear magnetic resonance antenna as claimed in claim 1 wherein the respective element beginnings define an element beginning plane and wherein the respective element ends defines an element end plane, and wherein said element beginning plane and said element end plane are parallel to and spaced from each other.

[Claim 9 has been amended as follows:]

9. (Amended) A nuclear magnetic resonance antenna as claimed in claim 8 wherein the respective antenna elements are linear.

[Claim 10 has been amended as follows:]

10. (Amended) A nuclear magnetic resonance antenna as claimed in claim 8 wherein the respective antenna elements define respective line directions, said line directions intersecting said center axis at a common point.

Sub C1 Cont
[Claim 11 has been amended as follows:]

11. (Amended) A nuclear magnetic resonance antenna as claimed in claim 10 further comprising a grounding plate disposed parallel to said element beginning plane and said element end plane, and said common point being disposed in said grounding plate.

Q4 End
[Claim 12 has been amended as follows:]

12. (Amended) A nuclear magnetic resonance antenna as claimed in claim 8 further comprising a grounding plate disposed parallel to said element beginning plane and said element end plane.

[Claim 13 has been amended as follows:]

13. (Amended) A nuclear magnetic resonance antenna as claimed in claim 1 wherein said plurality is divisible for four.

IN THE ABSTRACT

The Abstract on page 9 has been amended as follows:

Q5
A nuclear magnetic resonance antenna has at least five antenna elements, each of, which extends essentially radially from an inner element beginning to at least one outer element end with respect to a center axis. The antenna elements are at least magnetically coupled with one another.